



PATENT
674509-2028

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Jorm Borch Soe
U.S. Serial No. : 09/750,990
Filing Date : December 28, 2000
For : FOODSTUFF
Art Unit : 1761

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Dear Sir:

The Examiner's attention is respectfully directed to the following documents set forth in the accompanying form PTO-1449. Copies of the cited references are enclosed. These documents were cited in a litigation relating to U.S. Patent No. 6,852,346, or were cited by Applicants in related applications through the submission of Information Disclosure Statements, or were cited documents from the US or foreign Patent Offices in related applications. Those

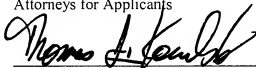
documents cited in related applications (either by Applicant or by the relevant Patent Office) are marked on the enclosed PTO-1449 with an asterisk "*" in the second column providing alphabetic identifiers for each document, i.e., a document marked as "*AG" was cited in a related application. Applicants request that the Examiner consider and make of record the documents cited herein and that a copy of Form PTO-1449, initialed by the Examiner be returned to the Applicants' attorneys.

This Information Disclosure Statement is not a representation that the documents cited herein is considered most pertinent, or that a search has been undertaken or that the cited documents are indeed prior art. The Examiner is invited to undertake an independent search.

As this Information Disclosure Statement is being submitted before receipt of a first Office Action, no fee is deemed necessary. However, the Commissioner is authorized to charge any additional required fee for this paper, or credit any overpayment in fees to Deposit Account 50-0320.

Respectfully submitted,

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	*CA	Bul kac z J et al, Biochim. Biophys. Acta (1981) vol 664, pages 148-155			
	*CB	Bulletin of the IDF 294: 1994			
		Burdge, Graham C., et al., "A method for separation of phosphatidylcholine, triacylglycerol, non-esterified fatty acids and cholesterol esters from plasma by solid-phase extraction", British Journal of Nutrition, 2000, vol. 84, pp. 281-787			
	CC				
	CD	Butcher, Bronwyn G., et al., "Microbiology, 2002, vol. 148, pp. 3983-3992			
	CE	Buxton et al, Gene, 1985, 37:207-214			
		Oao, Odu-Gui, et al., "Enzymatic Preparation of Monoglycerides via Glycerolysis of Fats and Oils Catalyzed by Lipase from <i>Pseudomonas</i> Species" National Laboratory of Enzyme Engineering			
	*CF	Carriere et al, "Pancreatic Lipase Structure- Function Relationships by Domain Exchange", American Chemical Society-Biochemistry (1997), 36, pp 239-248			
	*CG	Carrière, Frédéric, et al., "Structural basis for the substrate selectivity of pancreatic lipases and some related proteins", Biochimica et Biophysica Acta, vol. 1376, pp. 417-432, 1998			
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	*CI	Caruthers MH et al (1980) Nuc Acids Res Symp Ser 215-23			
	*CJ	Casimir C A et al Progress in Lipid Research, 2004, pp534-552			
		Castello, P., et al., "Technological and Biochemical effects of exogenous lipases in breadmaking", 2nd European Symposium on enzymes in Grain Processing.			
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	CL	Castello, Philippe, et al., "Effect of exogenous lipase on dough lipids during mixing of wheat flours", Cereal Chemistry, 1998, vol. 75, no. 5, pp. 595-601			
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			Christensen et al, "A new and simple method to immobilise lipases by means of granulation", 1998 <i>Nachwachsende Rohstoff</i> 10, 98-105	
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		CQ	Christie, William et al., "New Procedures for Rapid Screening of Leaf Lipid Components from <i>Arabidopsis</i> ", <i>Phytochemical Analysis</i> , vol. 9, pp. 53-57, 1998	
		CR	Christophersen, Claus, et al., "Enzymatic Characterisation of Novamyl a Thermostable α -Amylase", <i>Starch/Stärke</i> , vol. 50, 1998	
			Chung O K et al, "Defatted and Reconstituted wheat flours. VI. Response to shortening addition and Lipid Removal in Flours that vary in Bread-making Quality" <i>Cereal Chemistry</i> (1980), vol 57(2), p111-117	
	*CS			
		*CT	Chung OK et al, "Recent Research on Wheat Lipids" <i>Bakers Digest</i> October 1981	
			Ciuffreda, Pierangela, et al., "Spectrophotometric Assay of Lipase Activity: A New 40nitrophenyl Ester of a Dialkylglycerol Suitable as a Chromogenic Substrate of <i>Pseudomonas cepacia</i> Lipase", <i>Biocatalysis and Biotransformation</i> , vol 21, no. 3, pp. 123-127, 2003	
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			Claesson et al., "Techniques for measuring surface forces", <i>Advances in Colloid and Interface Science</i> , vol. 67, 1996, pp. 119-183	
		CV		
			Clausen, Kim, "Enzymatic oil-degumming by a novel microbial phospholipase", <i>European Journal of Lipid Science And Technology</i> , vol 103, 2001, pp333-340	
		CW		
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			Colombo, Diego, et al., "Optically Pure 1-0- and 3-0- β -D-Glucosyl- and Galactosyl-sn-glycerols through Lipase-catalyzed Transformations", <i>Tetrahedron Letters</i> , vol. 36, no. 27, pp. 2865-4868, 1995	
	*DA			
			Conference 6-8 May 1999 in Santorini, Greece – Lipases & Lipids Structure, Function and Biotechnological Applications - Slides presented by Charlotte Poulsen	
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			Cordle et al. "The hydrophobic surface of colipase influences lipase activity at an oil-water interface", <i>Journal of Lipid Research</i> , vol 39 (1998), 1759-1767	
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			Coteron, A., et al., "Reactions of Olive Oil and Glycerol over Immobilized Lipases", <i>JAOCS</i> , vol. 75, no. 5, 1998	
	DD			
	*DE		Council Directive of 21 December 1988 (89/107/EEC)	
			Council Regulation (EC) No 2991/94 5/12/94 Official Journal of the European Communities, September 12 1994, no L316/2-7	
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			Cromie, Susan. Psychrotrophs and their Enzyme residues in cheese milk, <i>The Australian Journal of Dairy Technology</i> , vol. 47, November 1992	
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*DK		Daboussi et al, Heterologous expression of the <i>Aspergillus nidulans</i> regulatory gene <i>nirA</i> in <i>Fusarium oxysporum</i> , (1991) <i>Gene</i> 109(1), 155-60	
DL		Daboussi et al., "Transformation of seven species of filamentous fungi using the nitrate reductase gene of <i>Aspergillus nidulans</i> ", <i>Curr. Genet.</i> , 15:453-456, 1989	
DM		Daftary, R.D., et al., "Functional Bread-Making Properties of Wheat Flour Lipids", <i>Food Technology</i> , vol. 22, no. 237, March 1968-1979	
DN		Dahlquist, Anders, et al., "Phospholipid: diacylglycerol acyltransferase: An enzyme that catalyzes the acyl-CoA-independent formation of triacylglycerol in yeast and plants", <i>PNAS</i> , vol. 97, no. 12, pp, 6487-6492, 2000	
DO		Dalrymple, Brian D., et al., "Three Neocallimastic patriciarum esterases associated with the degradation of complex polysaccharides are members of a new family of hydrolases", <i>Microbiology</i> , vol. 142, pp. 2605-2614, 1997	
DP		Danisco, "Unique Chance for Better Bread" <i>Direct, A Newsletter from Danisco Ingredients</i> (1996)	
DQ		Danisco, Hexose oxidase - nyt enzym med mangelgheder (advert)	
DR		Darnell et al., Eds., "Synthetic Peptide and Nucleotide Sequences: Their Use in Isolating and Identifying Genes", in <i>Molecular Cell Biology</i> , Chapter 6, Manipulating Macromolecules, 1990, Scientific American Books, Baltimore	
*DS		Database accession no P10480 -& Database UniProt 'Online', 1 July 1989,	
*DT		Database accession no Q44268 -& Database UniProt 'Online', 1 November 1996,	
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*DV		& FOOD RESEARCH INTERNATIONAL, vol. 20, no. 1, 1997, pages 81-84	
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*DW		& ANNALES DE TECHNOLOGIE AGRICOLE, vol.28, no.4, 1979, pages 445-468	
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		DATABASE FSTA INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT/MAIN, DE WEIPERT D: "Rheologie von Roggenteigen. II. Der einfluss der enzyme unterschiedlicher spezifitat auf das rheologische verhalten des teiges." XP002077285 see abstract & GETREIDE, MEHL UND BROT, vol.26, no.10, 1972, pages 275-280	
*DY		DATABASE UNIPROT KB 1 June 2003, S. Omura et al: "putative secreted hydrolase from streptomyces avermitilis" XP002376340 retrieved from EBI, HINXTON, UK Database accession no. Q828T4 abstract	
*DZ		DATABASE UNIPROT KB 1 May 2000, S.D. Bentley et al: "Putative Secreted Hydrolase from Streptomyces coelicolor" XP002376339 retrieved from EBI, HINXTON, UK Database accession no. Q9S2A5 abstract	
*EA		Davies, Progress in Industrial Microbiology, Martinelli and Kinghorn (eds.), Elsevier, Amsterdam 1994, 29:525-560	
*EB			
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*EC	De Haas GH et al, "Purification and Properties of Phospholipase A from Porcine Pancreas" Biochim. Biophys. ACTA, 1968, vol. 139, pages 103-117
*ED	Declaration by Olive Graham Phipps Walter (Dec C)
*EE	Declaration by Dr Jom Borch Goe (Dec F)
*EF	Declaration by Dr M Turner
*EG	Declaration by Dr Mark Turner (Dec C)
*EH	Declaration by Henrik Pedersen (Dec A)
*EI	Declaration by Henrik Pedersen, Masoud Rajabi Zargahi and Olive Graham Phipps Walter (Dec 2)
*EJ	Declaration by Janne Brunstedt (Dec B)
*EK	Declaration by Kazuko Kato, Henrik Pedersen, Masoud Rajabi Zargahi, Olive Phipps Walter, and Janne Brunstedt (Dec I)
*EL	Declaration by Kim Borch
*EM	Declaration by Luise Eriksen
*EN	Declaration by Masoud Rajabi Zargahi (Dec B)
*EO	Declaration by Masoud Rajabi Zargahi (Dec E)
*EP	Declaration by Tina Sandler
EQ	Delcros, Jean-Francois, et al., "Effect of mixing conditions on the behavior of lipoxygenase, peroxidase, and catalase in wheat flour doughs", Cereal Chemistry, 1998, vol. 75, no. 1, pp. 85-93
ER	Dellaporta, et al., "A Plant DNA Miniprep Preparation Version II"; Plant Molecular Biology Reporter(1983); Vol. 1(4); pp. 19-21
*ES	Derewenda et al, "The crystal and molecular structure of the Rhizomuxor miehei Triacylglyceride Lipase at 1.9 Å Resolution", J. Mol. Biol. 1992, 227:818-839
ET	Derewenda, Urszula, et al., "Catalysis at the Interface: The Anatomy of a Conformational Change in a Triglyceride Lipase", Biochemistry, vol. 31, pp. 1532-1541, 1992
EU	Dictionary of Biochemistry and Molecular Biology, Second Edition, p10
*EV	Dinkci, N. Mucor miehei den elde edilen lipaz
*EW	Direct, A Newsletter from Danisco Ingredients, September 1996
*EX	Directive 2000/36/EC. http://europa.eu.int/scadplus/leg/en/lvb/121122b.htm . Date: 16.06.04
*EY	Drost-Lustenberger, C and Sandler T Lipopan F BG - Application and Mechanism of a new lipase for baking, Novozymes
EZ	Drost-Lustenberger, Cornelia, et al., "Lipopan F BG-application and mechanism of a new lipase for bread baking", Cereal Food, 2003
FA	Drost-Lustenberger, Cornelia, et al., "Lipopan F BG-unlocking the natural strengthening potential in dough", Cereal Food, 2004
*FB	Duan, Rui Dong, Fat Digestion and Absorption (2000), p 25-46, publisher AOCS Press, Champaign Ill CODEN 69ACBA Conference; general review written in English
FC	Dubreil, Laurence, et al., "Localization of Puroinoline-a and Lipids in Bread Dough Using Confocal Scanning Laser Microscopy", J. Agric. Food Chem., 2002, vol. 50, pp. 6078-6085

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FD	Ducancel, Frederic, et al., "Complete amino acid sequence of a PLA2 from the tiger snake <i>Notechis scutatus</i> as deduced from a complementary DNA", <i>Nucleic Acids Research</i> , vol. 16, no. 18, 1988		
*FE	Dugi KA et al, "Human hepatic and lipoprotein lipase: the loop covering the catalytic site mediates lipase substrate specificity", <i>Journal of Biological Chemistry</i> (1995), vol 270, pp25, 396 - pp25, 401		
*FF	Dugroix (Edited by) Crystallization of Nucleic Acids and Proteins A Practical Approach		
*FG	Dutilh & Groger, "Improvement of Product Attributes of Mayonnaise by Enzymic Hydrolysis of Egg Yolk with Phospholipase A2", 1981 J. Sci. Food Agric. 32, 451-458		
FH	Dybdal, L., et al., "Enzymes in Cereals Processing"		
	Eddine et al, "Cloning and expression analysis of Nhl1, a gene encoding an extracellular lipase from the fungal pea pathogen <i>Nectria haematococca</i> MP VI (<i>Fusarium solani</i> f. sp. pisi) that is expressed in plants", <i>Mol. Genet. Genomics</i> (2001) 265: 215-224		
*FI	EFEMA Index of Food Emulsifiers January 2004, 4th Edition		
*FJ	Eftymova GO et al: Development of domestic feta cheese		
*FK	Eliasson et al., "Cereals in Breadmaking - A molecular colloidal approach"		
FL	Eliasson et al., "Production of lipase by immobilized cells of <i>Aspergillus niger</i> ", <i>Process Biochemistry</i> , vol. 39, 2004, pp. 525-528		
FM	Elyk, Alexander, et al., "Lipase-Catalyzed -----", <i>JAACS</i> , vol. 08, no. 5, May 1991, pp. 320-323		
FN	Engelhorn and Raab, "Rapid Electrophoretic of Small DNA Fragments from Polyacrylamide Gels", <i>Biotechniques</i> (1991) 11(5):594-6		
FO	Engelhorn et al., "Rapid Electrophoretic of Small DNA Fragments from Polyacrylamide Gels", <i>Biotechniques</i> (1991); Vol. 11(5); pp. 594-596		
FP	Enzymes in food processing (3rd Ed.), Academic press 1993		
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FR	EPO, Mobay Chemical Corporation - Decision of the Technical Board of Appeal 3.3.1 dated 1 July 1982, <i>Official Journal EPO</i> , Oct. 1982, pp. 394-402		
FS	Ettinger, William F. et al., "Structure of Cutinase Gene, cDNA, and the Derived Amino Acid Sequence from Phytopathogenic Fungi", <i>Biochemistry</i> , vol. 26, pp. 7883-7892, 1987		
FT	Euromonitor International, "The World Market for Dairy Products - Introduction, Executive Summary, Operating Environment, World Market Overview, Key Trends and Developments" in <i>Euromonitor, Strategy 2000</i> , February 2001		
*FU	European Parliament and Council Directive No 95/2/EC of 20 February 1995 on food additives other than colours and sweeteners		
*FV	European Parliament and Council Directive No 98/72/EC of 15 October 1998 amending Directive 95/2/EC on food additives other than colours and sweeteners		
FW	European Journal of Biochemistry, vol. 166, 1987, Published by Springer International on behalf of the Federation of European Biochemical Societies		
FX	Ezra, David, et al., "Coronamycins, peptide antibiotics produced by a verticillate <i>Streptomyces</i> sp. (MSU-2110) endophytic on <i>Monstera</i> sp.", <i>Microbiology</i> , 2004, vol. 150, pp. 785-793		
FY	Fauvel, et al.; "Purification of Two Lipases With High Phospholipase A, Activity from Guinea-Pig Pancreas"; <i>Biochimica et Biophysica Acta</i> (1981); Vol. 663; pp. 446-456		
FZ	Fennema, Owen P., "Food Chemistry Second Edition, Revised and Expanded"		
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*GA	Fernandez-Garcia et al., "The use of lipolytic and proteolytic enzymes in the manufacture of manchego type cheese from ovine and bovine milk", 1994 J. Dairy Sci. 77: 2139-2149		
GB	Fernandez-Lafuente, Roberto, et al., "The coimmobilization of D-amino acid oxidase and catalase enables the quantitative transformation of D-amino acids (D-phenylalanine) into α -keto acids (phenylpyruvic acid), Enzyme and Microbial Technology, vol. 23, pp. 28-33, 1998		
*GC	Ferrer et al, 2000, J. Chem. Technol. Biotechnol. 75, 569-576		
*GD	Finizym Technical Information, Novo Enzymes, 1981		
*GE	Fødevareindustri (2003). Bekendtgørelse om indhold af transfedtsyrer i olier og fedtstoffer. Bekendtgørelse nr. 160 af 11/03/2003		
*GF	Food Enzymes: Stalingase L, Oist-brocades Food Ingredients		
*GG	Food R&D: Dairy fields ingredient technology section		
GH	Forman, Todd, "Enzymes Used in Bread Baking: An Application Update", Technical Bulletin, Vol. XXVI, Issue 10, October 2004		
GI	Fox, et al.; "Isolation and some Properties of Extracellular Heat-Stable Lipases: from <i>Pseudomonas Fluorescens</i> Strain AFT 36"; Journal of Dairy Research (1988); Vol. 50, pp. 77-89		
*GJ	Frenken N. et al (1992) Appl. Envir. Microbiol. 58 3787-3791		
GR	Freshzyme, Product Sheet		
GL	Frohman, et al., "Rapid Production of Full-Length cDNAs from Rare transcripts: Amplification using a single gene-specific oligonucleotide primer"; Proc. Natl. Acad. Sci. USA (1988); Vol. 85, pp. 8998-9002		
GR	Frost & Sullivan, U.S. Market for Enzymes for food Applications		
*GN	Fugman, Douglas A et al Biochimica et Biophysica acta 795 (1984) 191-195		
GO	Functional Bread-Making Properties of Lipids		
*GP	Galliard T and Dennis S (1974) Phytochemistry Vol 13, pp1731-1735		
GQ	Galliard, "The Enzymic Breakdown of Lipids in Potato Tuber by Phospholipid- And Galactolipid- Acyl Hydrolase Activities and by Lipoxigenase", Phytochemistry, 1970, vol. 9, pp. 1725-1734		
GR	Gan, Z. et al., "Rapid Communication - Antisera against: Wheat Diacylgalactosylglycerol (MGDG) and Diacyldigalactosylglycerol (DGDG)", Journal of Cereal Science, vol. 18, pp. 207-210, 1993		
*GS	Ganghro AB & Dahot MU, Sci Int. (Lahore), 1992, vol 4, pages 169-172		
*GT	Gemel, Joanna et al., "Comparison of galactolipase activity and free fatty acid levels in chloroplasts of chill-sensitive and chill resistant plants", European Journal of Biochemistry, vol. 166, 1987		
*GU	Geus et al (1987) Nucleic Acids Research 15(9) p3743-3759		
GV	Gilbert, E. Jane, et al., "Purification and properties of extracellular lipase from <i>Pseudomonas aeruginosa</i> EF2", Journal of General Microbiology, 1991, vol. 137, pp. 2223-2229		
GW	Gilliam, B., Turgeon et al., "Cochliobolus heterostrophus using the <i>Aspergillus nidulans</i> amdS gene", Mol Gen Genet, 201: 450-453, 1985		
GX	Oist-brocades, Amylase P Information Sheet		
GY	Godfrey, Tony, et al., "Industrial Enzymology Second Edition"		
*GZ	Goodey et al, Yeast Biotechnology, Berry et al (eds.), Allen and Unwin, London 1987, pp401-429		
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*HA	Graille J, Lipid Technology, vol 5, no 1, 1993, pages 11-16		
*HB	GRAS Notification dated 11 April 2001 by Novozymes for Lecitase ^R and Lipopan TM F		
*HC	Greenough et al (1996) Food Chem Toxicology 34:161-166 and PubMed abstract in respect thereof		
*HD	Greenough R J et al, Food and Chemical Toxicology, vol 34(2), 1996, pp161-66		
HE	Grindsted Products, Grindsted Bakery News		
HF	Grindsted, "Emulsifiers for the baking industry"		
HG	Grindsted, "Grindamyl Fungal Alpha-Amylase"		
*HH	Haas and Berka, 1991, Gene, 109:107-113		
HI	Haas, et al., "Enzymatic Phosphatidylcholine Hydrolysis in Organic Solvents: An Examination of Selected Commercially Available Lipases", JAOCS, vol. 71, no. 5, May 1994, pp. 483-490		
HJ	Haas, et al., "Lipases of the Genera <i>Rhizopus</i> and <i>Rhizomucor</i> : Versatile Catalysts in Nature and the Laboratory", Food Biotechnology Micro-organisms (1995), pp. 549-588		
*HK	Haggag H F et al, Egypt J Food Sci vol 22, no 1 pp 99-107 (1994)		
HL	Hammer, Rob J., et al., "Interaction: The Keys to Cereal Quality", American Association of Cereal		
HM	Hanlin, Richard T., "Illustrated Genera of Ascomycetes", The American Phytopathological Society		
HN	Hansen, Chr., Danisco and Novozymes, April 3, 2002, Food Ingredients day, R&D—the main ingredients for growth		
HO	Hara, et al., "Comparative Study of Commercially Available Lipases in Hydrolysis Reaction of Phosphatidylcholine", JAOCS (1997); Vol. 74; no. 9, pp. 1129-1132		
HP	Hawker, Kim L., et al., "Heterologous expression and regulation of the <i>Neurospora crassa</i> nit-4 pathway-specific regulatory gene for nitrate assimilation in <i>Aspergillus nidulans</i> ", Gene., vol. 100, pp. 237-240, 1991		
HQ	Hedin, Eva M-K., et al., "Selective reduction and chemical modification of oxidized lipase cysteine mutants"		
*HR	Helmsing, "Purification and Properties of Galactolipase", Biochim., Biophys., Acta, vol. 178, pp. 519-533, 1969		
HS	Henderson, H.E., et al., "Structure-function relationships of lipoprotein lipase: mutation analysis and mutagenesis of the loop region", Journal of Lipid Research, vol. 34, 1993, pp. 1593-1602		
HT	Henke, Erik, et al., "Activity of Lipases and Esterases towards Tertiary Alcohols: Insights into Structure-Function Relationships", Angew. Chem. Int. Ed., 2002, vol. 41, no. 17		
*HU	Hernquist L & Anjou K (1993) Diglycerides as a stabilizer of the β -crystal form in margarines and fats, in Fette Seifen Anstrichmittel 2:64-66		
*HV	Hernquist L, Herslof B, Larsson K & Podlaha O. (1981) Polymorphism of rapeseed oil with low content of erucic acid and possibilities to stabilize the β -crystal form in fats, in Journal of Science and Food Agriculture 32:1197-1202		
*HW	Hilton S et al, Biochemistry vol 29, no. 38, 1990, pages 9072-9078		
*HX	Hilton S, Buckley JT, J Biol Chem. 1991 Jan 15; 266(2): 997-1000		
*HY	Hirayama O et al, Biochim Biophys Acta. 1975, vol 384(1), p127-37		
HZ	Hiruse, Yoshiniko et al., "Characteristics of Immobilized Lipase PO on Chemically Modified Ceramics", Amaro Pharmaceutical		
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